

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	(HfO2 or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf-oxide" or "hafnium O" or "hafnium-O" or "hafnium O2" or "hafnium-O2" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystalliz\$ with capacitor	US-PGPUB; USPAT	OR	ON	2005/01/21 10:12
L2	4036011	@ad<"20030509"	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L3	3	L1 and L2	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L4	70	(HfO2 or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf-oxide" or "hafnium O" or "hafnium-O" or "hafnium O2" or "hafnium-O2" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystalliz\$	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L5	288827	capacitor	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L6	39	L4 and L5	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L7	25	L2 and L6	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L8	18	Aarik	US-PGPUB; USPAT	OR	ON	2005/01/21 10:23
L9	3	L7 and L8	US-PGPUB; USPAT	OR	ON	2005/01/21 10:15
L10	233847	(HfO2 or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf-oxide" or "hafnium O" or "hafnium-O" or "hafnium O2" or "hafnium-O2" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystalliz\$ dielectric	US-PGPUB; USPAT	OR	ON	2005/01/21 10:16
L11	233847	(HfO2 or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf-oxide" or "hafnium O" or "hafnium-O" or "hafnium O2" or "hafnium-O2" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystalliz\$ dielectric	US-PGPUB; USPAT	OR	ON	2005/01/21 10:16
L12	215350	L2 and L10	US-PGPUB; USPAT	OR	ON	2005/01/21 10:16

L13	19	(HfO2 or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf-oxide" or "hafnium O" or "hafnium-O" or "hafnium O2" or "hafnium-O2" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystalliz\$ with dielectric	US-PGPUB; USPAT	OR	ON	2005/01/21 10:38
L14	9	L2 and L13	US-PGPUB; USPAT	OR	ON	2005/01/21 10:16
L15	4	(HfO2 or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf-oxide" or "hafnium O" or "hafnium-O" or "hafnium O2" or "hafnium-O2" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystalliz\$ with ((dielectric or insulat\$) with capacitor)	US-PGPUB; USPAT	OR	ON	2005/01/21 10:40
L16	0	2 and 15	US-PGPUB; USPAT	OR	ON	2005/01/21 10:39

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L1	6755	HfO2 or HfO or "hafnium oxide" or "hafnium-oxide" or "hafnium dioxide" or "hafnium-dioxide" or "HfO.sub.2" or "Hf O.sub.2" or "Hf-O.sub.2" or "hafnium O" or "hafnium-O" or "Hf oxide" or "Hf-oxide" or "Hf dioxide" or "Hf-dioxide"	US-PGPUB; USPAT	OR	ON	2005/01/21 12:10
L2	6	(HfO2 or HfO or "hafnium oxide" or "hafnium-oxide" or "hafnium dioxide" or "hafnium-dioxide" or "HfO.sub.2" or "Hf O.sub.2" or "Hf-O.sub.2" or "hafnium O" or "hafnium-O" or "Hf oxide" or "Hf-oxide" or "Hf dioxide" or "Hf-dioxide") with ("a-" or amorphous) with (crystalliz\$ or heat or heats or heated or heating or anneal or anneals or annealed or annealing) with ((insulat\$ or dielectric) with capacitor)	US-PGPUB; USPAT	OR	ON	2005/01/21 13:10
L3	4036065	@ad<"20030509"	US-PGPUB; USPAT	OR	ON	2005/01/21 12:12
L4	1	2 and 3	US-PGPUB; USPAT	OR	ON	2005/01/21 12:12
L5	9	(HfO2 or HfO or "hafnium oxide" or "hafnium-oxide" or "hafnium dioxide" or "hafnium-dioxide" or "HfO.sub.2" or "Hf O.sub.2" or "Hf-O.sub.2" or "hafnium O" or "hafnium-O" or "Hf oxide" or "Hf-oxide" or "Hf dioxide" or "Hf-dioxide") with ("a-" or amorphous) with (crystalliz\$ or heat or heats or heated or heating or anneal or anneals or annealed or annealing) same ((insulat\$ or dielectric) with capacitor)	US-PGPUB; USPAT	OR	ON	2005/01/21 13:07
L6	3	3 and 5	US-PGPUB; USPAT	OR	ON	2005/01/21 13:08

L7	21	(HfO ₂ or HfO or "hafnium oxide" or "hafnium-oxide" or "hafnium dioxide" or "hafnium-dioxide" or "HfO.sub.2" or "Hf O.sub.2" or "Hf-O.sub.2" or "hafnium O" or "hafnium-O" or "Hf oxide" or "Hf-oxide" or "Hf dioxide" or "Hf-dioxide") with ("a-" or amorphous) with (crystalliz\$ or heat or heats or heated or heating or anneal or anneals or annealed or annealing) and ((insulat\$ or dielectric) with capacitor)	US-PGPUB; USPAT	OR	ON	2005/01/21 13:10
L8	11	3 and 7	US-PGPUB; USPAT	OR	ON	2005/01/21 13:33
L9	257816	halogen or organometallic	US-PGPUB; USPAT	OR	ON	2005/01/21 13:33
L10	4	8 and 9	US-PGPUB; USPAT	OR	ON	2005/01/21 13:33
L11	1589713	N or nitrogen	US-PGPUB; USPAT	OR	ON	2005/01/21 14:13
L12	4	10 and 11	US-PGPUB; USPAT	OR	ON	2005/01/21 14:05
L13	382767	NH ₃ or ammonia or N ₂ O	US-PGPUB; USPAT	OR	ON	2005/01/21 14:06
L14	0	12 and 13	US-PGPUB; USPAT	OR	ON	2005/01/21 14:12
L15	1	("5641702").PN.	US-PGPUB; USPAT	OR	OFF	2005/01/21 14:12
L16	1644667	11 or 13	US-PGPUB; USPAT	OR	ON	2005/01/21 14:13
L17	0	15 and 16	US-PGPUB; USPAT	OR	ON	2005/01/21 14:23

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- L1: (9) (HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide"...) L2: (4036011) @ad<"20030509"
- L3: (3) L1 and L2
- L4: (70) (HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide"...) L5: (288827) capacitor
- L6: (39) L4 and L5
- L7: (25) L2 and L6
- L9: (3) L7 and L8
- L10: (233847) (HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf o...") L11: (233847) (HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf o...") L12: (215350) L2 and L10
- L14: (9) L2 and L13
- L8: (18) Aarik
- L13: (19) (HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide"...) L16: (0) 2 and 15
- L16: (4) (HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide"...) Failed Saved Favorites Tagged (0) UDC Queue Trash

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DBs US-PGPUB USPA Plurals
Default operator: OR [] Highlight all hit terms initially

(HfO₂ or "HfO.sub.2" or "Hf O.sub.2" or "hafnium oxide" or "hafnium-oxide" or "Hf oxide" or "Hf oxide" or "Hf oxide" or "hafnium O" or "hafnium-O" or "hafnium O₂" or "hafnium-O₂" or "hafnium O.sub.2" or "hafnium-O.sub.2") with crystallized with ((dielectric or insulator) with capacitor)

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U	I	Document	Issue Date	Page	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	2	3
1	<input checked="" type="checkbox"/>	US 20041209	20041209	1S	Methods of forming MIM type capacitor structures and	438/240	438/264;		Oh, Se-hoon et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	US 20040812	20040812	1S	Capacitor of semiconductor	438/250	438/256		Park, Ki-Yeon et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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